

there is used as solid support, a microtitration plate with wells, or any system using balls, so as to increase the capture surface for DNA and the sensitivity of detection.

--17. (New) Qualitative and quantitative damage detection process according to claim 1, characterized in that the solid support is sensitized with substances having a very high affinity for DNA, so as to provide securement of this DNA by adsorption.

--18. (New) Qualitative and quantitative damage detection process according to claim 9, characterized in that the sensitivity of the support is provided by incubation in a 10 mM phosphate buffer, sodium chloride 137 mM and a pH comprised between 6.5 and 8, more particularly 7.

--19. (New) Qualitative and quantitative damage detection process according to claim 1, characterized in that the adsorbed DNA is genomic DNA obtained after lysis of cells treated or not with a genotoxic agent.

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--20. (New) Materials for practicing the process according to claim 1, characterized in that they comprise:

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- modified DNA,
 - the cellular extract adapted for all the detection and/or repair activities of this damaged DNA, or else a purified repair and/or recognition protein,
 - incubation and washing buffers, and
 - a microplate sensitized for the adsorption of plasmid or cellular DNA.--

REMARKS

Claims 7-8 and 12-14 have been canceled. New claims 16-20 have been added.

Respectfully submitted,

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